



Agilent Technologies

Isolation Products

Upgrade Chart

1 MBd Transistor Output Optocoupler – Single Channel

Package Type	Base Part Number	Higher CMR	Higher CMR Higher Switching Speed	Higher CMR Higher Switching Speed Lower I_F
	Key Specs: • CMR = 1 KV/ μ s @ 10 V • I_F = 16 mA • VDE = 1414 V (400 mil DIP)	Key Specs: • CMR = 15 KV/ μ s @ 1.5 KV • I_F = 16 mA • VDE = 1414 V (400 mil DIP)	Key Specs: • CMR = 15 KV/ μ s @ 1.5 KV • I_F = 16 mA • VDE = 890 V (HCPL-J454) 1414 V (400 mil DIP)	Key Specs: • CMR = 15 KV/ μ s @ 1.5 KV • I_F = 10 mA • VDE = 890 V (HCPL-J456) 1414 V (400 mil DIP)
300 mil DIP	6N135 (S) 6N136 (S) HCPL-4502 (S)	HCPL-4503 (S)	HCPL-4504 (S) HCPL-J454 (U)	HCPL-4506 (U) HCPL-J456 (U)
S08	HCPL-0500 (S) HCPL-0501 (S) HCPL-0452 (S)	HCPL-0453 (S)	HCPL-0454 (S)	HCPL-0466 (U)
400 mil DIP	HCNW135 (S) HCNW136 (S) HCNW4502 (S)	HCNW4503 (S)	HCNW4504 (S)	HCNW4506 (U)

1 MBd Transistor Output Optocoupler – Dual Channel

Package Type	Base Part Number	Higher CTR	Higher CTR, Higher CMR
	Key Specs: • I_F = 16 mA • CRT (typ.) = 18% • CMR = 1 KV/ μ s @ 10 V	Key Specs: • I_F = 16 mA • CRT (typ.) = 24% • CMR = 1 KV/ μ s @ 10 V	Key Specs: • I_F = 16 mA • CRT (typ.) = 24% • CMR = 15 KV/ μ s @ 1.5 V
300 mil DIP	HCPL-2530 (S)	HCPL-2531 (S)	HCPL-4534 (U)
S08	HCPL-0530 (U)	HCPL-0531 (U)	HCPL-0534 (U)

100 KBd Logic Gate Optocoupler – Single Channel

Package Type	Base Part Number	Higher CTR	Higher CTR, Lower I_F
	Key Specs: • CRT = 300% • I_F = 1.6 mA	Key Specs: • CRT = 500% • I_F = 1.6 mA	Key Specs: • CRT = 800% • I_F = 40 μ A
300 mil DIP	6N138 (S)	6N139 (S)	HCPL-4701 (U)
S08	HCPL-0700 (S)	HCPL-0701 (S)	HCPL-070A (U)
400 mil DIP	HCNW138 (S)	HCNW139 (U)	

100 KBd Logic Gate Optocoupler – Dual Channel

Package Type	Base Part Number	Higher CTR	Higher CTR, Lower I _F
	Key Specs: • CRT = 300% • I _F = 1.6 mA	Key Specs: • CRT = 500% • I _F = 1.6 mA	Key Specs: • CRT = 800% • I _F = 40 μ A
300 mil DIP	HCPL-2730 (S)	HCPL-2731 (S)	HCPL-4731 (U)
S08	HCPL-0730 (S)	HCPL-0731 (S)	HCPL-073A (U)

10 MBd Logic Gate Optocoupler – Single Channel

Package Type	Base Part Number	Higher CMR	Lower I _F	Higher CMR Lower I _F
	Key Specs: • I _F = 5 mA • CMR = 100 V/ μ s @ 50 V ^[1] 5 KV/ μ s @ 50 V ^[2] • VDE = 1414 V (400 mil DIP)	Key Specs: • I _F = 5 mA • CMR = 10 KV/ μ s @ 1 KV • VDE = 1414 V (400 mil DIP)	Key Specs: • I _F = 2 mA • CMR = 1 KV/ μ s @ 50 V	Key Specs: • I _F = 2 mA • CMR = 10 KV/ μ s @ 1 KV
300 mil DIP	6N137 ^[1] (S) HCPL-2601 ^[2] (S)	HCPL-2611 (S)	HCPL-261A (U)	HCPL-261N (U)
S08	HCPL-0600 ^[1] (S) HCPL-0601 ^[2] (S)	HCPL-0611 (S)	HCPL-061A (U)	HCPL-061N (U)
400 mil DIP	HCNW137 ^[1] (S) HCNW2601 ^[2] (S)	HCNW2611 (U)	–	–

10 MBd Logic Gate Optocoupler – Dual Channel

Package Type	Base Part Number	Higher CMR	Lower I _F	Higher CMR Lower I _F
	Key Specs: • I _F = 5 mA • CMR = 100 V/ μ s @ 50 V ^[1] 5 KV/ μ s @ 50 V ^[2]	Key Specs: • I _F = 5 mA • CMR = 10 KV/ μ s @ 1 KV	Key Specs: • I _F = 2 mA • CMR = 1 KV/ μ s @ 50 V	Key Specs: • I _F = 2 mA • CMR = 10 KV/ μ s @ 1 KV
300 mil DIP	HCPL-2630 ^[1] (S) HCPL-2631 ^[2] (S)	HCPL-4661 (S)	HCPL-263A (U)	HCPL-263N (U)
S08	HCPL-0630 ^[1] (U) HCPL-0631 ^[2] (U)	HCPL-0661 (U)	HCPL-063A (U)	HCPL-063N (U)

5 MBd Logic Gate Optocoupler – Single Channel

Package Type	Base Part Number	Higher CMR
	Key Specs: • I _F = 1.6 mA • CMR = 1 KV/ μ s @ 50 V • VDE = 1414 V (400 mil DIP)	Key Specs: • CMR = 2.5 KV/ μ s @ 400 V ^[1] 10 KV/ μ s @ 1 KV ^[2]
300 mil DIP	HCPL-2200 (S) HCPL-2201 (S) HCPL-2202 (S)	HCPL-2219 ^[1] (U) HCPL-2211 ^[2] (U) HCPL-2212 ^[2] (U)
S08	HCPL-0201 (S)	HCPL-0211 ^[2] (U)
400 mil DIP	HCNW2201 (S)	HCNW2211 ^[2] (U)

5 MBd Logic Gate Optocoupler – Dual Channel

Package Type	Base Part Number	Higher CMR
	Key Specs: • CMR = 1 KV/ μ s @ 50 V	Key Specs: • CMR = 10 KV/ μ s @ 1 KV
300 mil DIP	HCPL-2231 (U)	HCPL-2232 (U)

Part Number Key:

- (S) Standard Product
- (U) Upgrade Product
- (U) Upgrade Product on ATM program